

Product Bulletin

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Meridian Internet Telephony Gateway (ITG) Trunk 2.0 2.xx.25 software up-issue

Nortel Networks is pleased to announce the General Availability of Meridian ITG Trunk 2.0 software application up- issue Release 2.xx.25. This software release provides solutions to customer reported problems. Nortel Networks recommends that customers should always check the Nortelnetworks Web site for the most recently available S/W at installation time.

This release should only be used in a Meridian 1 to Meridian 1 configuration. Ability for use in a mixed environment (e.g. BCM) will be announced in an up issue of this bulletin when field trials are completed.

Reference Documents

ITG NTP Meridian Telephony Gateway (ITG) Trunk 2.0/ISDN Signaling Link (ISL) Doc# 553-3001-202
Feb. 2000

Product Bulletin Introducing Meridian Telephony Gateway (ITG) Trunk 2.0/ISDN Signaling Link (ISL)
Mar. 2000

ITG TRUNK 2.0 System Release Notes (S/W Release 25)
Feb 2002

This bulletin contains the following information on Meridian Internet Telephony Gateway ITG:

- Functionality changes
- Software and Hardware Compatibility for the up-issue
- Support of Fax traffic if Interworking with earlier Software versions
- Software Delivery

Coding Convention used in this bulletin

The application software version numbers on ITG Trunk 2.0 are coded in the form: **ITG2.xx.yy**

xx is a numeral referring to the product hardware port capacity (xx = **24** .. 24-Port Load; xx = **8** .. 8-Port Load)

yy is a numeral referring to the software release number (e.g. yy = **25** ... Application S/W Release 25)

Note: Since identical 24-Port and 8-Port application software loads are released simultaneously the notation ITG2.xx will be used to refer to both builds (e.g. ITG2.xx.25).

Functionality Changes since ITG2.xx.24

The functionality changes for ITG2.xx.25 can be divided into the following main categories:

- Network Broadcast Handling Resilience (primarily Base Code affecting for Pentium and 486 Products).
- Exception Handling (primarily Base Code affecting for Pentium and 486 Products).
- Telogy 7.01 Long ECU (128ms) update inclusion for outstanding speech integrity issues (primarily echo). Note that this load/ fix does not apply to 486 Products, which do not have the requisite MIPS performance to support this feature.
- Telogy S/W Bug fix updates (addresses known customer site issues for ITG0309 DSP not responding bugs).

Miscellaneous PRS and Feature content.

Problems addressed in ITG2.xx.25

PRS ID	Priority	Description
MP12961	P1	ITG Lock Up after Broadcast Breeze (integrates fixed for Lineside PRS MP12400, MP08327and MP11991).
MP13097	P1	H.245 Channel not opened until after CONNECT message prevents DTMF transfer.
MP14386	P1	Echo during first 5 seconds of tandemed PSTN call, Servco, Hawaii
MP15339	P1	DSP Fault protection code fails to busy out/ idle channels.
MP16701	P1	ITG2.0 False Fax. Detection while on Voice Call
MP17001	P1	32 port ITG Media Card fails to register with ITG Leader
MP11172	P2	Lineside PRS with no Trunkside equivalent – issue with Chkdsk utility
MP12094	P2	Lineside PRS with no Trunkside equivalent – inadequate exception handling.
MP13102	P2	ITG Trunk 2.0 echo problems in tandem trunk configuration
MP13254	P2	ITG stops processing calls after downloading extended NPA dial plan
MP16632	P2	DIM task crash due to incorrect error code handling.
MP16693	P2	ITG0309 DSP not responding due to High Speed Fax. plus voice DSP S/W bug.
MP16697	P2	ITG0309 DSP not responding due to G729 Encoder overflow DSP S/W bug.
MP13427	P3	Channels shown as unequipped on ITG2.1 Trunk.

MP15456	P3	TOS is not applied to ITG QoS probe packets.
MP16700	P3	ITG MGB_DM_ERROR_INDICATION 5 DSP error.
MP15935	P5	ITG does not support RTP Header Compression enabled Routers dedicated port numbering range.

A detail explanation of each of the above problems and the associated fix is available in Software Release Notes (S/W Release 25)

Software and Hardware Compatibility

There are two different ITG Trunk 2.0 cards. Each card requires a separate software load/image.

1. *24-Port (Pentium) Trunk Card* (Software Load: ITG2.24.25)
2. *8-Port (486) Trunk Card* (Software Load: ITG2.8.25)

ITG2.24.25 is compatible with all versions of Pentium Hardware. It is not compatible with 486 Hardware
ITG2.8.24 is compatible with all versions of 486 Hardware. It is not compatible with Pentium Hardware
X11 System Software Rel 25. is a pre-requisite.

Interworking with Earlier Software Versions

ITG2.xx.25 is based on the ITG 2.xx.24 S/W release and so is subject to the same interworking limitations.

These limitations include:

- In the case where ITG 2.xx.25 is deployed in a network where there exists nodes of a version earlier than ITG 2.xx.24 (e.g., ITG 2.xx.19, ITG 1.0) then these nodes will not be able to communicate directly using the fax protocols provided by these releases. This is because older releases' implementation of T.38 fax is incompatible with the version on ITG 2.xx.24 and above.

ITG 2.xx.23 provides a "stepping stone" if upgrading an ITG 2.xx.19 release network to ITG 2.xx.24/2.xx.25 because this release has the capability of using the correct fax protocol depending on which release of software it is talking to. ITG 2.xx.19 nodes can be upgraded to ITG 2.xx.23 piecemeal and once all the nodes have been upgraded ITG 2.xx.24/2.xx.25 can be introduced similarly.

Note, the incompatibility is only restricted to fax calls, voice calls between ITG 2.xx.24/2.xx.25 and all earlier versions work as normal.

Software Delivery

The card software and release notes are currently available from the following WEB site.

WEB Site (URL): <http://www.nortelnetworks.com/index.html>

Once connected to the WEB site on the URL follow steps

1. Click on Customer Support
2. Software distribution.
3. To view specific Customer Support content, do any combination of the following under the blue "Products" bar on the right:
 - Enter text into the "Description Filter" box
 - Click the "View by a Product" link and select a product from the pick list

For further information on ITG trunk please contact your Nortel Networks representative:-

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